Contents

1. Supplements for Changing Return Coin Type in the AN 300

1.1 Coin types that each tube can return and necessary supplements

The type of con to return from each one of the returner tubes is easily programmable in function "F-27 CLASSIFIER".

According to the diameter of the coin to be returned, it might be necessary to insert a supplementary tube inside of the returner tube as well as a bushing at the lower end.

The following table specifies the coins that can be used as change coins in each one of the returner tubes, as well as the supplementary tubes and bushings that might be necessary to insert.

1.2 Instructions for changing the supplementary

AN 300 PAYOUT UNIT						
TUBE	TUBE Ø	COIN	SUPPLEMENTARY TUBE		BUSHING	
			Reference	Make	Reference	Make
TUBE A	Ø 28	100	Without tube	-	Without bushing	-
		5	11010020-0	ACC	11009691-1	AC
		25	11010660-0	ACA	11010680-1	AD
TUBE B	Ø 32	25	11011760-0	BCC	11014210-0	BG
		100	11010690-0	BCA	11012140-0	BC
TUBE C	Ø 25	5	11009990-0	CCB	11009591-1	CA
		25	11010640-0	CCA	11010670-1	CB

1.2 Instructions for changing the supplementary tubes and bushings

1. Remove the payout unit from the machine.
2. Remove the two screws that are located on each side of the metal casing and that attach the return module.
3. Remove the front covering plate.
4. Pry the side anchoring pin free (figure 1). While pressing on the upper part, remove the extraction module and disconnect it (figure 2).
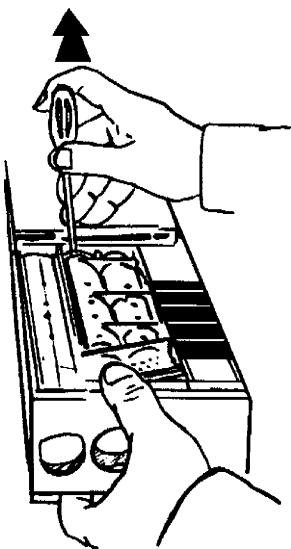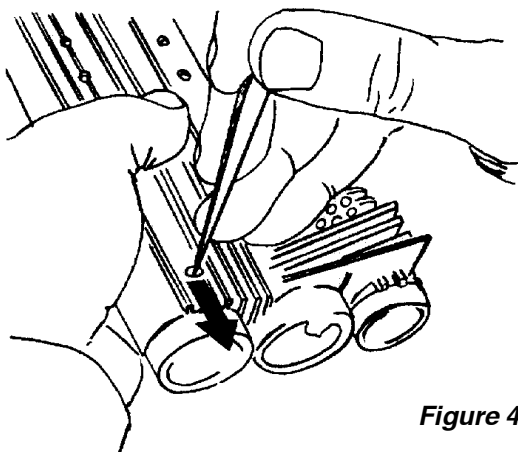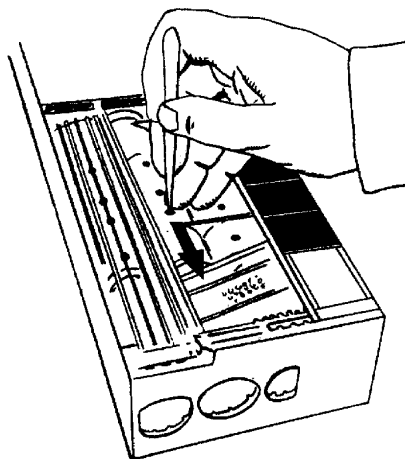

Figure 1
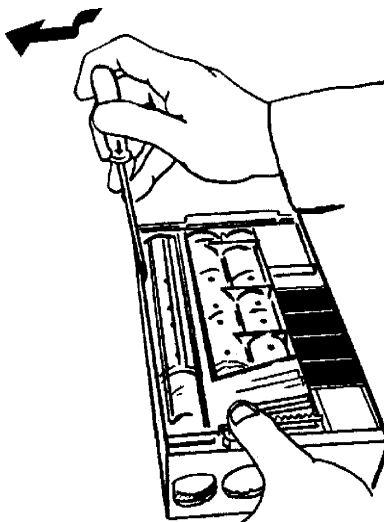
Figure 2

5. In order to separate the coin tubes from the extractor motors, pull hard in the direction indicated in figure 3.
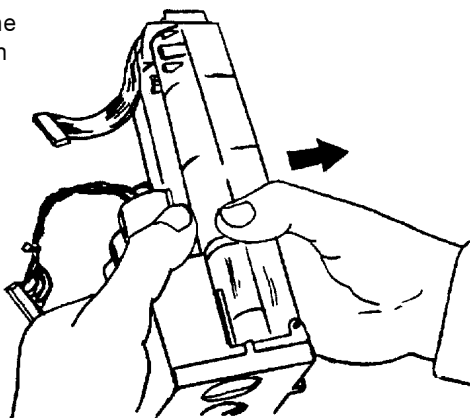
Figure 3

6.- Remove the tube or supplementary tubes and bushing that are going to be replaced. With an appropriate tool, remove the bushing from the returner tube as indicated in figure 4.

7.-Insert the new supplementary tubes and bushings, keeping in mind the correct position of the attachment pins. The bushing must be inserted so that the clip remains positioned on the upper part and coincides with the hole that was used previously for removing the bushing to be replaced. See figure 5.

8.-Re-assemble the returner module and screw it onto the payout unit.

9.-Once the supplements have been inserted for the new return coin or coins, keep in mind that the programming must be changed for the return coin type (see MODULE 3: PROGRAMMING).

Figure 4

Figure 5

2. Supplements for changing the return coin type in the AN 400

2.1 Supplements for changing the return coin type

The type of coin to return from each one of the returner tubes is easily programmable in function "F-27 CLASSIFIER."

According to the diameter of the coin to be returned, it might be necessary to insert a supplementary tube inside of the returner tube.

The following table specifies the coins that can be used as change coins in each one of the returner tubes, as well as supplementary tubes that might be necessary to insert.

AN 400 PAYOUT UNIT				
TUBE	TUBE Ø	COIN	SUPPLEMENTARY TUBE	
			Reference	Make
TUBE B	Ø 28	5	11012240-0	ACC
		25	11012230-0	ACE
TUBE B	Ø 32	25	11015770-0	BCG
		100	11018071-0	BCC
TUBE C	Ø 25	5	11012390-0	CCA
TUBE C	Ø 34	25	11012630-0	DCC

2.2 Instructions for changing the supplementary tubes

1.Remove the payout unit from the machine.

2.Pull the two clamps that fasten the returner tubes towards the sides until they are free from the payout unit housing. See figure 6.

3. Disconnect the wiring from the returner tubes.
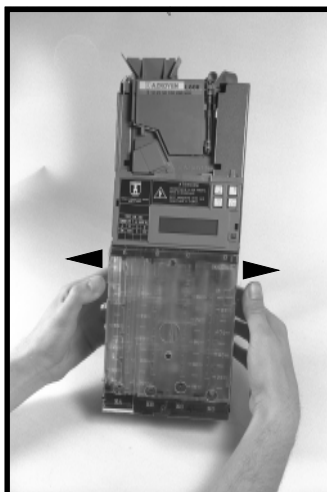
Figure 6

Figura 7

4. Once the extractor assembly is free from the payout unit, remove the front cover by loosening the two attachment screws. See figure 7. Afterwards, remove the full photocells. See figure 8.
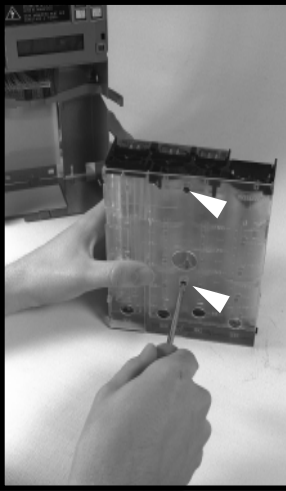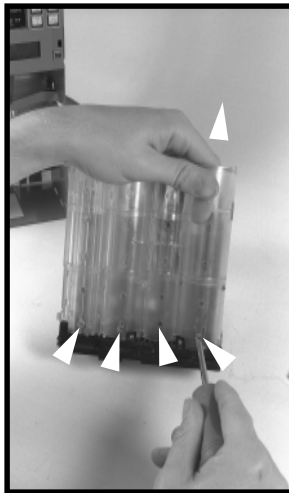
5. Remove the supplementary tubes that are going to be replaced. To do so, press on the flange that fastens them at the lower end, as indicated in figure 9. To replace supplementary tube

6.- Insert the new supplementary tubes, keeping in mind the correct position for the attachment pins. See figure 11.

Figure 9

Figure 1 0

Figure 8

Figure 11

7. Put the full photocells back on, connect the wiring, and place the returner tubes back into the payout unit housing. Press until the flaps correctly fasten the returner tubes.

8. Once the supplementary tubes have been inserted for the new return coin or coins, keep in mind that the programming must be changed for the return coin type (see MODULE 3: PROGRAMMING).

3. Cables for the printer connection

In the AN 300 and AN 400 series payout units, for the price line type as well as for the "executive" type of communication, it is possible to export the accounting onto a printer by using function **F40** (see MODULE 3: PROGRAMMING).

Data transmission is done through an RS232 series port, and any printer series existing on the market can be used.

Azkoyen provides the connecting cables between the printer and the payout unit.

The printers for which cables are available are **N.R.I., Mars**, and **Seiko**. The cable reference numbers for each one of the printers are the following:

1 N.R.I ———— **43209410-0.**
2 Mars ———— **43208840-0.**
3 Seiko ———-- **43208780-0.**
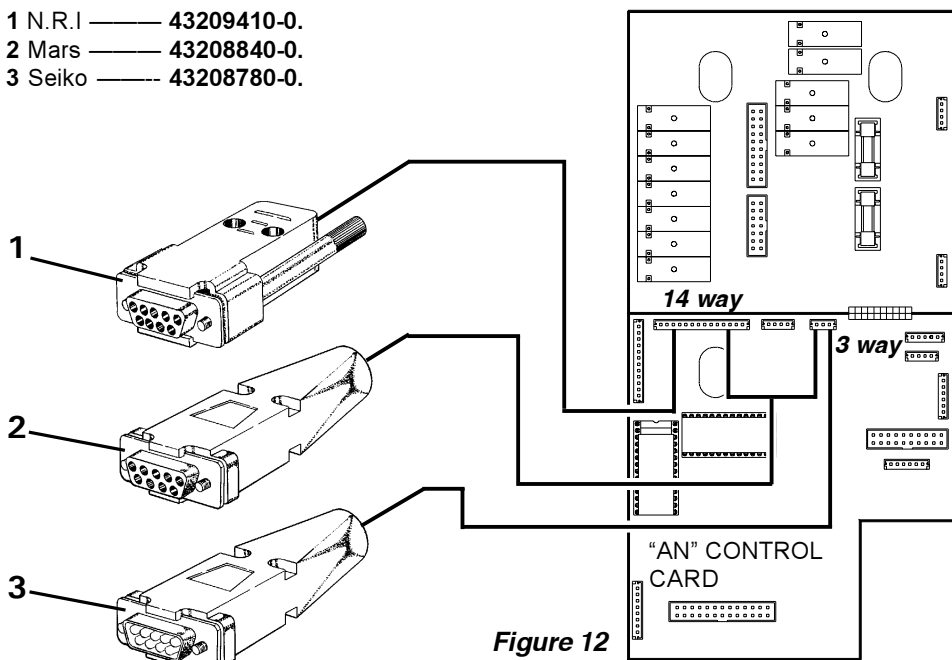
Figure 12

The cable connection to the payout unit card is done at the following connectors:

N.R.I. printers ——————— The 14-way connector visible after removing the coin selector from the payout unit (figure 12).

Mars printers ——————— On the two connectors: the 14-way and the 3-way (figure 12).

Seiko printers ——————— On the 3-way connector also visible after removing the coin selector and located to the right of the 14-way connector (figure 12).

The data to be programmed from function F-40 so that the data is printed correctly is the following:

– **Mars** printers ———————— Speed: 1200 baud rate. DTR: OFF

– **N.R.I**. printers ———————- Speed: 110-baud rate. DTR: OFF

– **Seiko** printers ———————— Speed: 9600-baud rate. DTR: ON

If a printer of any other brand is going to be used, contact the service department at Azkoyen Comercial S.A., which will provide the correct cable.

4. Cables for the computer connection

The **AN 300** and **AN 400** payout units with EJECUTIVO-type communication that can incorporate the **FAN** series machines are prepared to provide accounting data to a computer using function F-29 (see MODULE 3: PROGRAMMING).

Data transmission is done through an RS-232 series port.
Azkoyen provides the connecting cable between the payout unit and the computer.
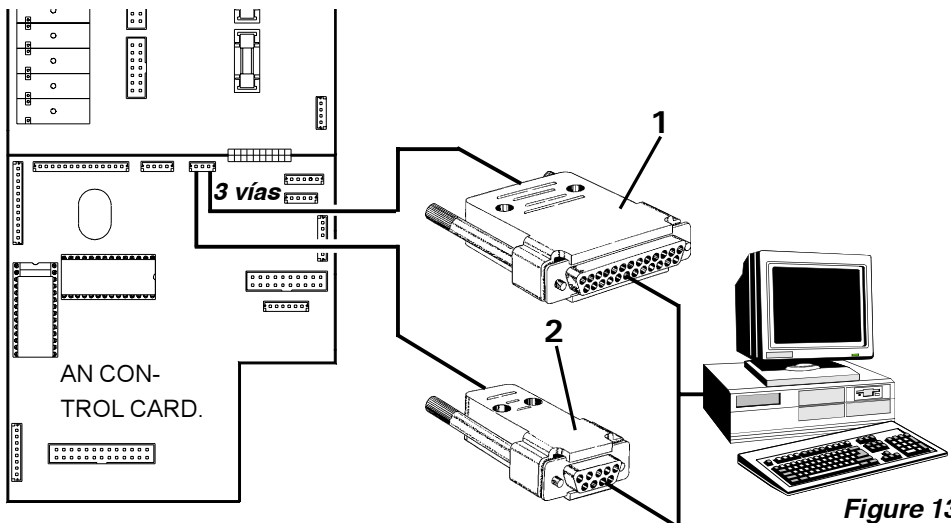The cable connection at the payout unit is done using a 3-way connector located on the lower card and visible after removing the coin selector. It is located to the right of two other connectors, one that is 4-way and one that is 14-way (figure 13).

1 **AN** series transmission wiring cable (26-way) ——— ref. 43208830-0.
2 **AN** series transmission wiring cable (9-way) ——— ref. 43208820-0.

Figure 13

5. Exterior display

5.1 Azkoyen display

The price line and EJECUTIVO language **AN 300** and **AN 400** payout units have a factory-made wiring cable in order to be able to power a 4-digit display.

The **AN 300 MDB** and **AN 400 MDB** payout units cannot have an exterior display.
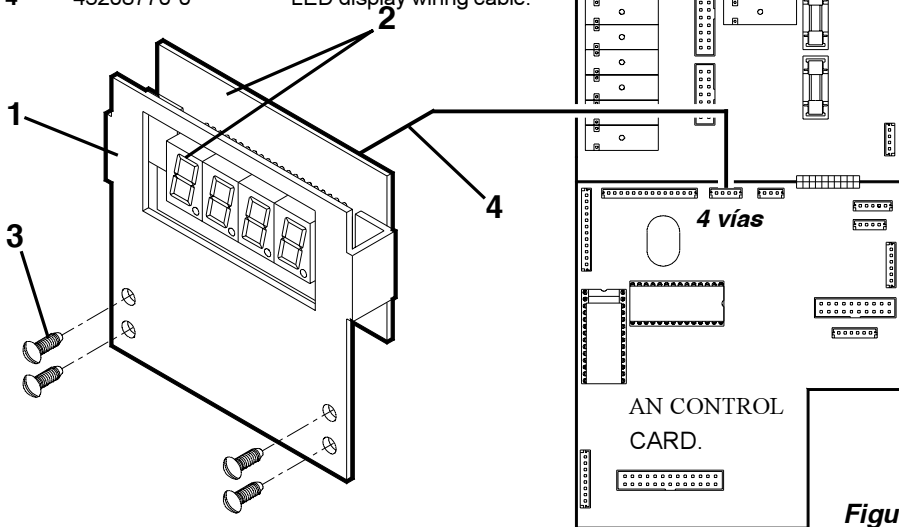
This display can be placed in those machines that do not have their own display. They are placed on the exterior of the machine and serve as the element for user information. The payout unit is capable of displaying two different types of data: when idle, it shows the time of day, and when coins are introduced it reflects the accumulated credit.

If the machine where the display is going to be placed has an opening for that purpose, installation will be very simple. If this is not the case, an appropriate opening must be made.

The display assembly reference number is: **41035661-0.**
This assembly contains the following pieces:

1 —— 31043261-1 ——— Support.
2 —— 43302960-0 ——— Display.
3 —— 01010241-0 ——— Screw.
4 —— 43208770-0 ——— LED display wiring cable.

4 vías

AN CONTROL CARD.

Figure 14

5.2 Mars display

The cable reference number necessary for connecting the Mars display to an **AN 300** or an **AN 400** payout unit is the following: 43208690-0.

6. Pre-paid card reader

The EJECUTIVO and "price line" **AN 300 / AN 400** payout units can be outfitted with a small reader capable of accumulating and erasing credit on so-called pre-paid cards.

Therefore, on a machine outfitted with a payout unit that has a card reader, the product can be obtained either by introducing coins or using a card.

The reference number for this card is **09703950-0**.

They are called pre-paid cards, because in order to be able to "buy" product with them, they must be previously "charged" with a certain amount of money. This means that the expenditure of money is realised prior to purchasing the product.

"Charging" credit on the card can be done either by the user, directly at the machine by introducing money through the coin slot or the machine owner can provide the user with a card already "charged" with a certain amount of credit.

Using the card offers the possibility having product in the machine at two different prices; one price when paying for the product with coins and another when paying with the pre-paid card.

It is also possible for the machine to operate without money, thereby preventing theft to a large extent. In this case, the machine owner must provide the users with cards charged with a certain amount of credit.

In any case, either the user "charges" credit on the card or else the owner provides it already "charged". In both cases, the machine owner has a certain amount of money available before the user consumes the product.

14 vías

AN CON-
TROL CARD.
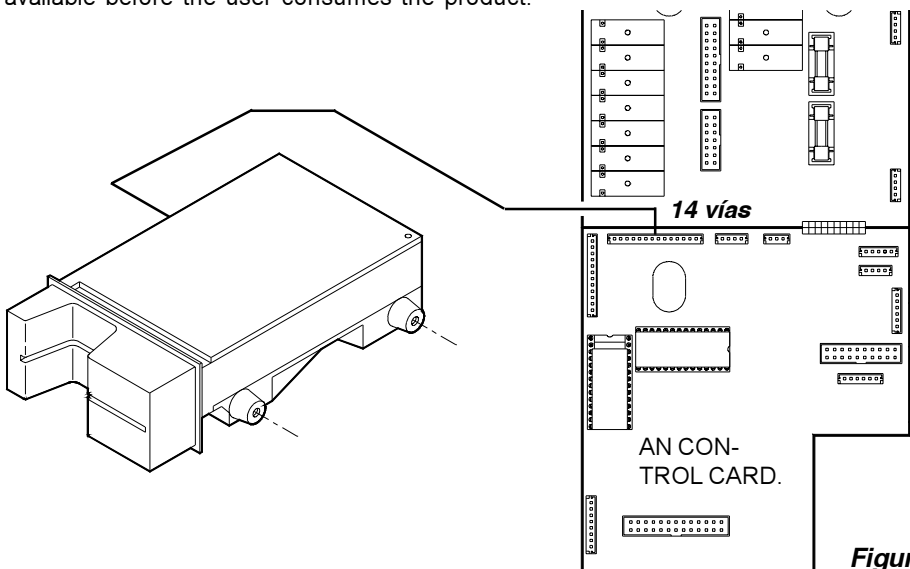
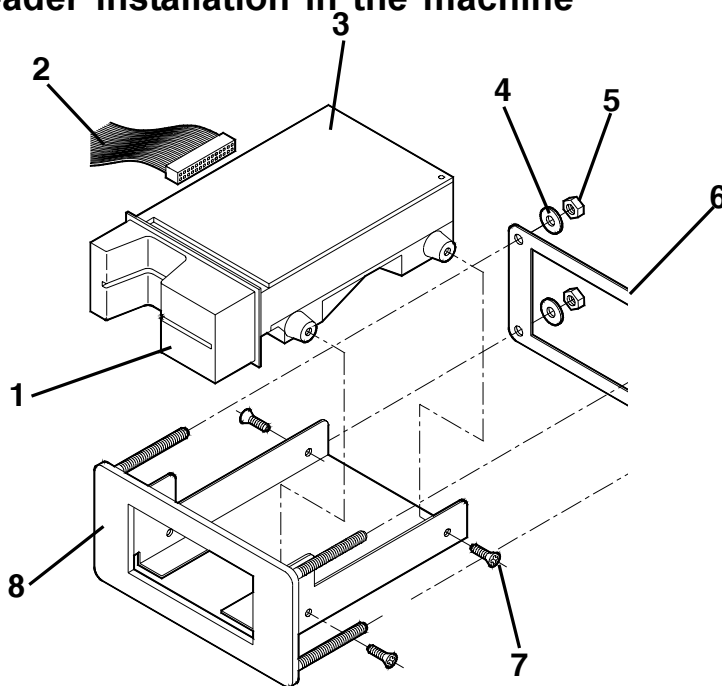*Figure15*

6.1 Reader connection to the payout unit

The card reader is connected to the payout unit using one of the following cables:

43208720-0 ——————— Short card reader wiring cable.

43209160-0 ——————— Reader cable interface.

This wiring is connected to the 14-way terminal on the lower card, visible after removing the coin selector, as indicated in figure 15.

6.2 Reader installation in the machine

Figure 16

　　1 Straight reader aperture, ref. 11017931-0.
　　2 Reader cable, ref. 43208720-0.+ cable interface, ref. 43209160-0.
　　3 Card reader without cable, ref. 09703950-0.
　　4 Flat washer, A4.
　　5 Hex nut, M4
　　6 Reader reinforcing template, ref. 31061640-0.
　　7 Countersink screw, M3.
　　8 Card reader support, ref. 42912791-0.

If the machine where the reader is going to be located does not have the corresponding opening, one should be made using a drill and a file or using an appropriate tool.

The card reader support, ref. **42912791-0**, will be placed in this opening, which is screwed on from the interior of the machine using four M4 screws and the reinforcing template (see figure 16). The reader is fastened to the support using four M3 screws.

The reader opening has to be 35x75 mm and must be done on the machine in a position where there is sufficient space to position it.

 It must also be kept in mind that it has to be at a comfortable height for the card to be introduced by the user. The moseappropriate place is next to the coin input slot.

6.3 Steps to follow once the reader is installed

Once the card reader is installed, the following steps must be taken for it to operate correctly.

1.It is necessary to have a model card provided by **Azkoyen** that allows the payout unit to be initialised.

2.Program a code in function F-10 (machine number), keeping in mind that the first 4 digits are going to be used by the payout unit as the identification number for the pre-paid cards.

3.Access function F-23 (erase key) in the payout unit. Introduce the model card in the reader and push **C/EXE.** After this action, the payout unit is initialised to operate correctly with the card reader.

4.The user cards to be accepted by this payout unit (machine) must be initialised through function F-23. To do so, it is necessary to introduce them one by one in the card reader, executing function F-23 every time that a card is introduced. Once this process is completed, the first 4 digits of the function F-10 code will be recorded on each one of the cards as the pre-paid card identification number. It is not possible to erase this number (it can only be erased at the factory).

5.In function F-04 of the payout unit, program the "payout unit" prices and the "base coin for the card."

6.Program the prices in function F-05 of the payout unit, for coins as well as for cards.

7.Associate the machine selections with the prices programmed in the payout unit. This association is done using the corresponding function in the machine (See the "Sale price programming" function in MODULE 3: PROGRAMMING).

Any other card that is introduced into the payout unit and that does not have the identification number that was recorded in function F-10 of the payout unit will not be accepted as valid, and therefore product cannot be consumed using it.

6.4 Codes and data recorded on the user card

Operator code. This code is recorded at the factory and corresponds to the operator or client where the cards are destined. It cannot be changed.

Field code. This code is recorded by introducing the card in the reader and executing function F-23 (erase key), and the first 4 digits of function F-10 (machine number) are automatically recorded on the card. With this code, an operator can differentiate between the machines installed at different sites. A payout unit only accepts the cards with field codes that coincide with its first 4 digits in function F-10. Once the field code is recorded on the card, it cannot be erased (it can only be done at the factory).

Base coin. This indicates the coin that the card uses as the base coin. It currently is the peseta. The type of base coin is recorded at the factory.

Application type. This indicates the utility that the card is given: normal card, monthly card (it only saves the credit for one month), etc. This code is recorded at the factory.

Operator number. This allows providing a number for identifying the person who owns the card. In order to record this number, it is necessary to have a "card recorder" provided by **Azkoyen**.

Card series number. As its name indicates, this allows giving a series number to each card. In order to be able to record this number, it is necessary to have a "card recorder" provided by **Azkoyen**.